

Excerpt from the *Alberta Building Code (ABC)*

Please note this may not be all ABC sections relevant to the use of sea cans for storage purposes.

6.9.1.2. Hazardous Gases, Dusts or Liquids

- 1) Except as provided in Subsection 6.3.4., systems serving spaces that contain hazardous gases, dusts or liquids shall be designed, constructed and installed to conform to the requirements of this Code or, in the absence of specific requirements, to good engineering practice such as that described in the publications of the National Fire Protection Association and in the NFC(AE). (See Note A-6.9.1.2.(1).)
- 2) When indoor piping for Class I flammable liquids is installed in a trench, the trench shall be a) provided with positive ventilation to the outdoors, or b) designed to prevent the accumulation of flammable vapours.
- 3) Ventilation systems in storage rooms where flammable liquids or combustible liquids are stored in compliance with the NFC(AE) shall provide at least 5 L/s of exhaust air per square metre of room area, but not less than 70 L/s in total.
- 4) Exhaust air from a ventilation system required in Sentence (3) shall be discharged outdoors and shall be taken from a point within 300 mm of the floor near a wall, with at least one makeup air inlet located near the opposite wall.
- 5) Makeup air openings for a ventilation system described in Sentence (3) shall be
 - a) protected in conformance with the requirements of Subsection 3.1.8., where the makeup air is taken from within the building, and
 - b) remote from any discharge referred to in Sentence (4), where the makeup air is taken from outside the building.
- 6) Ducts used to ventilate a flammable liquids or combustible liquids storage room described in Sentence (3) shall be used solely for that purpose.
- 7) Industrial ovens in which flammable vapours may be present or through which products of combustion are circulated shall be ventilated in accordance with NFPA 86, "Ovens and Furnaces."